Figure 6 is a schematic representation illustrating the detection of single molecules in an electric trap.

Figure 7 is a schematic representation illustrating the tagging of selected genotypes using FCS.

Figure 8 is a flow chart illustrating the preparation of DNA/RNA of FCS-selected genotypes.

Figure 9 is a schematic representation illustrating the analysis of mixtures following chromatographic separation.

Figure 10 is a schematic representation illustrating a laser correlation microscope.

Figure 11 (A)-(E) is a flow chart illustrating the selection of possible assays.

Figure 12 is a schematic representation illustrating an electrophoresis cell.

Figure 13 is a schematic representation illustrating the field about a laser beam.

Figure 14 is a schematic representation illustrating a measuring array device including a prefocused laser beam.

Figure 15 is a schematic representation illustrating a prefocusing appliance for a laser beam.

Figure 16 is a schematic representation illustrating the arrangement of a preferred embodiment of the device according to the invention.

Figures 17a, 17b, 18a, 18b, and 18c are graphs of measurement results.

Figure 19 is a flow chart illustrating FCS experiments performed in parallel.

Figures 20a, 20b, and 20c are schematic representation illustrating embodiments of an electric trap according to the invention.

Figure 21a is a schematic representation illustrating molecular detection according to the invention.

Figure 21b is a schematic representation illustrating a multi-element detector.

Figure 22 is a schematic representation illustrating analysis of a displacement experiment.

E concld. Figure 23 is a schematic representation illustrating a method performed according to the invention.

Figures 24a, 24b, and 24c are schematic representations of embodiments of according to the invention.

Figures 25 is a side view of a double microscope.

Figures 26a, 26b, 26c, 27, 28a, 28b, 28c, 29, 30, 31a, and 31b are graphs depicting measurement results.

Rewrite the paragraph bridging pages 41 and 42 as follows:

Figure 28a shows the interaction of a DNA oligonucleotide having the sequence M13/pUC (-21) primer (5'-TGACCGGCAGCAAAATGT-3') (SEQ ID NO:1) with a viral single-strand DNA of bacteriophage M13 which contains the corresponding complementary sequence. The oligonucleotide is labeled with Bodipy (Molecular Probes) at the 5'-C_6 position. The course of the association reaction with time was measured according to the invention in

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